

**SECTION III
FORESTRY CATEGORY
FIVE-YEAR IMPLEMENTATION PLAN
July 2003 through June 2008**

A. FORESTRY MMs AND ISSUES OF CONCERN

The SWRCB and the CCC has established eleven MMs to address the various phases of forest operations that can cause pollution of State waters. The State's Forest Practice Rules (FPRs), which are promulgated by the State Board of Forestry and Fire Protection (BOF) and administered by the California Department of Forestry and Fire Protection (CDF), closely reflect these silvicultural MMs. The eleven Forestry MMs are listed and defined in Table IIIA, below, and further defined in Appendix II of this document.

**Table IIIA
Forestry Category MMs**

MM Code	Forestry MM Title
2A	Pre-Harvest Planning
2B	Streamside Management Areas (SMAs)
2C	Road construction/Reconstruction
2D	Road Management
2E	Timber Harvesting
2F	Site Preparation and Forest Regeneration
2G	Fire Management
2H	Re-vegetation of Disturbed Areas
2I	Forest Chemical Management
2J	Wetlands Forest Management
2K	Education/Outreach

Timber harvesting and associated activities can result in the discharge of earthen materials, organic materials, chemical pollutants, and petroleum products. Sediment induced water quality impacts occur when earthen materials transported by surface erosion or mass wasting enter a stream. Several studies suggest that road construction and stream crossings account for the majority of sediment discharged from logging operations. Also, operations conducted during the winter wet season have more potential to discharge sediment that can adversely impact water quality, than do operations during the dry summer season. Other factors that can affect the quantity of sediment and organic debris discharged include selection appropriate silvicultural and logging methods, proper plan layout and mitigation, and operator skill. Chemical pollutants can be discharged by way of runoff and by drift. Potential sources of chemical and nutrient runoff include roads that have been treated with oils or other dust suppressing materials, herbicide applications, and ash nutrients resulting from slash burning. Excessive logging can also increase summer water temperatures through removal of tree canopy in riparian areas and can increase peak stream flows by reducing interception.

The activities that are being pursued by State Agencies specifically address all of the identified MMs, with the exception of 2J, Wetlands Forest Management. However, many of the activities consist of

an overall planning and implementation effort intended to address ‘All’ of the Forestry MMs, including Wetlands Forest Management.

B. RELATION TO OTHER STATE PROGRAMS:

1. Waste Discharge Requirements and Conditional Waiver Policies

The CWC Section 13269 authorizes RWQCBs to waive the necessity of obtaining waste discharge requirements and to submit reports of waste discharge as to a specific type of discharge if the waiver is not against the public interest and the conditions of the waiver are met. RWQCBs have recently adopted waivers for waste discharge requirements related to timber harvesting activities, provided that the activities comply with the general conditions listed in each waiver. These conditions include such factors as compliance with the applicable requirements set forth in each Region’s water quality control plans.

2. Impaired 303(d) Lists and TMDLs

Under Section 303(d) of the Clean Water Act, California is required to compile a list of impaired waters that fail to meet applicable water quality standards or that cannot support their designed beneficial uses. This list, called a ‘303(d)’ list is submitted to Congress every two years, and California is required to develop a Total Maximum Daily Load (TMDL) for each pollutant causing impairment to the waterbodies that are listed. The current 303(d) list in California identifies 56 waterbodies that are impaired due to NPS pollution due, at least in part, to timber operations. Over the next five-year period, California is planning to expend significant resources to develop and implement the TMDLs for these identified water bodies. This process will include TMDL implementation plans which will utilize the MMs identified in California’s NPS Program Plan.

3. Department of Pesticide Regulation

The California Department of Pesticide Regulation (CDPR) regulates the sale and use of pesticides and, through the county agricultural commissioners (CACs), enforces laws pertaining to pesticide use. CACs inspect pesticide applications to forests and ensures that applications do not violate pesticide laws and regulations that protect water quality. California Department of Forestry (CDF) and CDPR have developed a process for cooperating in the review of comments received concerning draft Timber Harvest Plans (THPs). If CDF receives comments on pesticide use, CDF consults with CDPR and alerts them about the issues. CDPR and CDF also cooperate to train staff on laws, regulations, and best management practices (BMPs) pertaining to the use of pesticides in silviculture.

4. Forest Practice Regulations and Management Agency Agreement

The California Board of Forestry, now known as the Board of Forestry and Fire Protection (BOF), was created in 1885. The Z’Berg-Nejedly Forest Practices Act of 1973 (Forest Practices Act) required the BOF to adopt Forest Practice Rules (FPRs) to regulate timber operations on private and state lands to, among other things, protect water quality. The Forest Practices Act provides a conditional exemption from waste discharge requirements for timber operations (article 1. section 4514.3.) The FPRs are intended to establish responsible forest resource management practices which serve the demand for timber and other forest products, while giving consideration to the public’s need for watershed protection, fisheries, and wildlife and recreational opportunities.

Under the CWA, state water quality planning agencies were mandated to develop water quality management plans for controlling NPS pollution, to designate other agencies as “management agencies for carrying out water quality management plan provisions,, and to execute management agency agreements (MAAs) with such agencies, setting forth their commitment to water quality management plan implementation. In 1988, the SWRCB certified a water quality management plan for timber

operations on nonfederal lands, designated BOF and CDF as management agencies, and entered into a MAA with BOF and CDF.

During the year 2003, the SWRCB, CDF and RWQCB's developed and signed a supplementary memorandum of understanding (MOU), which contains a series of provisions such as dispute resolution provisions, that will help resolve differences between these agencies. Another effort has begun which may result in amending the 1988 MAA.

C. OBJECTIVES AND ACTIVITY SUMMARY

1. Forestry Category Objectives

Although the supplementary MOU and possible MAA amendments will shape the process through which implementation of forestry MMs are regulated, staff from the CDF, SWRCB, RWQCBs and other State agencies (via the IACC) recently undertook a concerted, collaborative process for the development of Category Objectives for the NPS Implementation Plan 2003-2008. Over a period of approximately one year, the NPS IACC met frequently to consider the missions of each agency relative to sources of pollution in private and state forest lands; to formulate a means for collaboration, and to set overall objectives for the collaborative process. The result of this effort, which will provide focus and direction to efforts relative to Forestry NPS pollution prevention, are the Forestry Category Objectives, which are listed below. These objectives will serve to guide and measure the progress that will be made over the next five years.

- a) Reduce interagency conflict regarding recommended mitigations through development of a Monitoring Agreement MOU.
- b) Develop or improve upon an effective, practical and accepted approach for directly evaluating Cumulative Watershed Effects (CWE) for Forest Management activities.
- c) Develop and improve interagency understanding and collaboration of their respective roles and responsibilities for water quality, related to timber operations.
- d) Develop and implement watershed-based plans, including TMDL's in order to identify and address land-use impacts including those from forestry practices.
- e) Encourage the implementation of NPS Management Measures on all forest lands in California, including private and federal lands.
- f) Provide educational opportunities for THP reviewers, foresters, pesticide regulators, and other forest management parties that will address water quality and environmental protection.
- g) Continue to develop and conduct effectiveness evaluations of forestry management practices with respect to protection of water quality.

2. Activity Summary for Forestry Category

The activities that are being pursued by State Agencies as listed in Table IIIB specifically address all of the identified MMs, with the exception of 2J, Wetlands Forest Management. However, many State activities consist of an overall planning and implementation effort which is intended to address 'All' of the Forestry MMs, including Wetlands Forest Management. Additionally, the eight Forestry Category Objectives, as listed above, are fully supported by multiple activities in this Category.

There is one additional activity listed in another section of this NPS 5-Year Implementation Plan, Section I, 'All or Multiple Categories'. That is the State Lands Assessment activity, which is identified and described in the 'All Category'. This activity will be supportive of Forestry Objective 3e, 'Identify and assess State-owned lands that are impacted or influenced by forestry practices', as well as objectives identified in all other NPS Categories.

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Forestry

Management Measure: 2A Preharvest Planning

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 25.001-2	Timber Harvest Planning Process (THP)	<p>Objective: Mitigation of potential projects impacts on water quality through pre-harvest planning.</p> <p>Description: THPs submitted to CDF are reviewed by CDF and cooperating agencies. Any needed modifications and mitigations to protect water quality are added to each THP before the THP is approved and operations can begin.</p>	CDF	Statewide	Each THP when implemented properly protects water quality.	7/1/03 to 6/30/08
Pre-Implementation 27.001-1	Timber Harvest Plan Review	<p>Objective: Reduce the amount of sediment being deposited into streams as a result of Forest Management practices. Reduce landsliding and erosion through THP planning.</p> <p>Description: Review proposed THPs and assist in the development of FPRs related to proposed road construction and reconstruction, landsliding, slope stability, erosion and sedimentation.</p>	DOC	Statewide	Number of office and field reviews conducted. Number of recommendations accepted by CDF.	7/1/03 to 6/30/08
Pre-Implementation 27.008-1	Landslide and Geomorphic Mapping	<p>Objective: Identify potential sources of landsliding and sedimentation through programs for landslide and geomorphic mapping.</p> <p>Description: Prepare landslide maps and geomorphic stream channel maps at a scale of 1:24,000 based on geology and prioritized watersheds on the north coast.</p>	DOC	North Coast	Completion of maps within expected time frames.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 11.62-1	Timber Harvest Plan Review	Objective: To protect water quality from impacts of timber activities. Description: To conduct pre- and post-harvest inspections and plan review.	RWQCB-6	Regionwide RB6	Completed plan reviews	7/1/03 to 6/30/08
Implement 4.034-1	Timber Harvest Plan review	Objective: Review of timber harvest plans Description: Staff review of timber harvest plans and provide comments	RWQCB-2	Napa, Sonoma, and San Mateo Counties	Implementation of erosion control measures and habitat protections such as riparian buffer maintenance	7/1/03 to 6/30/08
Implement 9.010-1	Timber Harvest Plan Review	Objective: Assure that timber harvest plans are protective of water quality. Description: Review and recommend changes as needed to timber harvest plans to reduce risk of NPS pollution from timber harvest activities.	RWQCB-5R	Mountainous areas of R5	MPs implemented.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2B Streamside Management Areas						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 27.001-2	Timber Harvest Plan Review	<p>Objective: Reduce the amount of sediment being deposited into streams as a result of Forest Management practices. Reduce landsliding and erosion through THP planning.</p> <p>Description: Review proposed THPs and assist in the development of FPRs related to proposed road construction and reconstruction, landsliding, slope stability, erosion and sedimentation.</p>	DOC	Statewide	Number of office and field reviews conducted. Number of recommendations accepted by CDF.	7/1/03 to 6/30/08
Pre-Implementation 4.036-1	Timber Company Sediment Input Evaluation	<p>Objective: Work with timber companies to evaluate/reduce their sediment input.</p> <p>Description: Coordinate with timber harvest companies</p>	RWQCB-2	San Mateo County	Evaluation and BMP development and implementation	1/1/04 to 12/31/06
Implement 27.010	Streamside Management Practices	<p>Objective: Develop permanent and effective FPRs that will protect salmonid and non-salmonid streams.</p> <p>Description: Participate in on-going development of practices and rules for streamside management.</p>	DOC	Statewide	Development of specific rules packages.	7/1/03 to 6/30/08
Implement 9.012-3	Deer Creek watershed erosion & sediment control project	<p>Objective: Reduce potential erosion associated with selected roads and stream crossings in upper Deer Creek</p> <p>Description: Implement road and crossing improvements</p>	RWQCB-5R	Eastern Tehama County	Implementation of improvements	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Track/Monitor 25.003-3	Monitoring of FPR Implementation and Effectiveness	Objective: Monitor the implementation and effectiveness of the Forest Practice Rules in protecting water quality and aquatic habitat. Description: Hillslope Monitoring Program (HMP) monitors 50 randomly selected THPs/NTMPs each year, using an outside contractor. Modified Completion Report Monitoring monitors 12.5% THPs, randomly selected from THP undergoing Completion Inspections, using CDF Forest Practice inspectors.	BOF	Statewide	Proper implementation and effectiveness of FPRs designed to protect water quality.	7/1/03 to 6/30/08
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Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2C Road Construction/Reconstruction						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 27.001-3	Timber Harvest Plan Review	<p>Objective: Reduce the amount of sediment being deposited into streams as a result of Forest Management practices. Reduce landsliding and erosion through THP planning.</p> <p>Description: Review proposed THPs and assist in the development of FPRs related to proposed road construction and reconstruction, landsliding, slope stability, erosion and sedimentation.</p>	DOC	Statewide	Number of office and field reviews conducted. Number of recommendations accepted by CDF.	7/1/03 to 6/30/08
Pre-Implementation 27.006-1	Road Rules Committee	<p>Objective: Develop road construction standards that prevent erosion/sedimentation with requirements to put them in place prior to timber harvesting.</p> <p>Description: Participate in development of new Forest Practice Rules related to roads.</p>	DOC	Statewide	Development of proposed rule changes.	1/1/03 to 12/31/03
Pre-Implementation 4.036-2	Timber Company Sediment Input Evaluation	<p>Objective: Work with timber companies to evaluate/reduce their sediment input.</p> <p>Description: Coordinate with timber harvest companies</p>	RWQCB-2	San Mateo County	Evaluation and BMP development and implementation	1/1/04 to 12/31/06
Implement 9.012-2	Deer Creek watershed erosion & sediment control project	<p>Objective: Reduce potential erosion associated with selected roads and stream crossings in upper Deer Creek</p> <p>Description: Implement road and crossing improvements</p>	RWQCB-5R	Eastern Tehama County	Implementation of improvements	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2D Road Management							
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule	
Pre-Implementation 11.24-2	Blackwood Creek TMDL	Objective: Watershed restoration through the TMDL process Description: To complete a TMDL and get Basin Plan and EPA approval.	RWQCB-6	Nevada County	Completed TMDL	7/1/03 to	1/1/08
Pre-Implementation 25.001-3	Timber Harvest Planning Process (THP)	Objective: Mitigation of potential projects impacts on water quality through pre-harvest planning. Description: THPs submitted to CDF are reviewed by CDF and cooperating agencies. Any needed modifications and mitigations to protect water quality are added to each THP before the THP is approved and operations can begin.	CDF	Statewide	Each THP when implemented properly protects water quality.	7/1/03 to	6/30/08
Pre-Implementation 27.006-2	Road Rules Committee	Objective: Develop road construction standards that prevent erosion/sedimentation with requirements to put them in place prior to timber harvesting. Description: Participate in development of new Forest Practice Rules related to roads.	DOC	Statewide	Development of proposed rule changes.	1/1/03 to	12/31/03
Implement 25.004-2	Jackson Demonstration State Forest Plan Implementation	Objective: Manage the Jackson Demonstration State Forest so as to protect and enhance water quality and aquatic habitat, while achieving the other objectives of the State Forest enumerated in the plan. Description: Jackson Demonstration State Forest, which includes a Road Management Plan, will be implemented on the ground.	CDF	Jackson Demonstration State Forest	Sediment source reduction. Streamside canopy meets or exceeds standards.	1/1/03 to	6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 9.012-1	Deer Creek watershed erosion & sediment control project	Objective: Reduce potential erosion associated with selected roads and stream crossings in upper Deer Creek Description: Implement road and crossing improvements	RWQCB-5R	Eastern Tehama County	Implementation of improvements	7/1/03 to 6/30/08
Track/Monitor 25.003-2	Monitoring of FPR Implementation and Effectiveness	Objective: Monitor the implementation and effectiveness of the Forest Practice Rules in protecting water quality and aquatic habitat. Description: Hillslope Monitoring Program (HMP) monitors 50 randomly selected THPs/NTMPs each year, using an outside contractor. Modified Completion Report Monitoring monitors 12.5% THPs, randomly selected from THP under going Completion Inspections, using CDF Forest Practice inspectors.	BOF	Statewide	Proper implementation and effectiveness of FPRs designed to protect water quality.	7/1/03 to 6/30/08
Track/Monitor 27.016	Off-Highway Vehicle (OHV) Soils Inspection	Objective: Assist Department of Parks and Recreation (DPR) by conducting soils inspections of federal Off-Highway Vehicle (OHV) grant sites to document compliance/deviation with wildlife habitat protection mandates and monitoring plans. Description: Conduct field reviews and prepare reports on monitoring plans associated with trails, erosion control techniques, resource and soils monitoring. Provide recommendations for improvements.	DOC	Statewide	Number of federal OHV sites visited per year for which monitoring plans are incompliance.	6/1/03 to 6/30/05

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2E Timber Harvesting						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 4.036-3	Timber Company Sediment Input Evaluation	Objective: Work with timber companies to evaluate/reduce their sediment input. Description: Coordinate with timber harvest companies	RWQCB-2	San Mateo County	Evaluation and BMP development and implementation	1/1/04 to 12/31/06
Pre-Implementation 11.24-1	Blackwood Creek TMDL	Objective: Watershed restoration through the TMDL process Description: To complete a TMDL and acquire Basin Plan and EPA Approval.	RWQCB-6	Nevada County	Completed TMDL	1/1/02 to 5/1/07
Implement 11.61	Timber Harvest Plan Waiver of Waste Discharge Requirements	Objective: To protect water quality from potential impacts related to timber activities. Description: Develop a waiver for timber harvest activities that meet specified eligibility criteria and conditions.	RWQCB-6	Regionwide RB6	Adoption and implementation of waiver.	1/1/03 to 1/1/08
Implement 11.62-2	Timber Harvest Plan Review	Objective: To protect water quality from impacts of timber activities. Description: To conduct pre- and post-harvest inspections and plan review.	RWQCB-6	Regionwide RB6	Completed plan reviews	7/1/03 to 6/30/08
Implement 4.034-2	Timber Harvest Plan review	Objective: Review of timber harvest plans Description: Staff review of timber harvest plans and provide comments	RWQCB-2	Napa, Sonoma, and San Mateo Counties	Implementation of erosion control measures and habitat protections such as riparian buffer maintenance	7/1/03 to 6/30/08

Table IIIB
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Track/Monitor 25.002-2	Inspection and Enforcement of Forest Practice Rules and THPs	<p>Objective: Field inspection and enforcement of Forest Practice Rules and Timber Harvest Plan measures designed to prevent or mitigate impacts of timber harvest on water quality and aquatic habitat.</p> <p>Description: Active Timber Harvest Plans receive regular field inspections during operations, at completion and during the post-completion, erosion control maintenance period. Corrective action and enforcement used as necessary to gain compliance and abate potential THP-related sources of water pollution.</p>	CDF	Statewide	Compliance with FPRs and implementation of THP mitigations.	7/1/03 to 6/30/08
Track/Monitor 25.003-1	Monitoring of FPR Implementation and Effectiveness	<p>Objective: Monitor the implementation and effectiveness of the Forest Practice Rules in protecting water quality and aquatic habitat.</p> <p>Description: Hillslope Monitoring Program (HMP) monitors 50 randomly selected THPs/NTMPs each year, using an outside contractor. Modified Completion Report Monitoring monitors 12.5% THPs, randomly selected from THP under going Completion Inspections, using CDF Forest Practice inspectors.</p>	BOF	Statewide	Proper implementation and effectiveness of FPRs designed to protect water quality.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2F Site Preparation/Forest Regeneration						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Track/Monitor 25.002-3	Inspection and Enforcement of Forest Practice Rules and THPs	<p>Objective: Field inspection and enforcement of Forest Practice Rules and Timber Harvest Plan measures designed to prevent or mitigate impacts of timber harvest on water quality and aquatic habitat.</p> <p>Description: Active Timber Harvest Plans receive regular field inspections during operations, at completion and during the post-completion, erosion control maintenance period. Corrective action and enforcement used as necessary to gain compliance and abate potential THP-related sources of water pollution.</p>	CDF	Statewide	Compliance with FPRs and implementation of THP mitigations.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2G Fire Management						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 19.007	Conversion Technology	<p>Objective: Assess feasibility of using mechanically-thinned forest residuals, along with urban biomass, in new "conversion" facilities (e.g., gasification, hydrolysis)</p> <p>Description: AB 2770 (Chapter 740, Statutes of 2002) requires the CIWMB to prepare a report on new and emerging conversion technologies (such as gasification and hydrolysis) that might be able to use biomass residuals to produce energy, alternative fuels, and other products. Conduct specific studies on lifecycle environmental and health impacts of conversion technologies and on the financial and economic impacts of developing such technologies on recycling and composting markets in California.</p>	CIWMB	Statewide	Selection of contractors; peer review of proposed methodologies; peer review of draft results; final reports on studies evaluating impacts of conversion technology development	1/1/03 to 6/30/04
Pre-Implementation 6.040	Fire Runoff Plan	<p>Objective: Coordinate all local fire agencies and public works departments to develop water quality protection policy/plans for wildland and structural post-conflagrations.</p> <p>Description: Combine existing fire and culvert and debris basin maintenance plans at a regional level.</p>	RWQCB-4	Regionwide RB4	When policy and plans are established and implemented	4/1/01 to 4/1/04
Implement 11.55-2	Firefest	<p>Objective: To promote watershed protection, particularly from the impacts of large scale wildfire</p> <p>Description: Participation in community event to educate about water quality and impacts from catastrophic wild fires.</p>	RWQCB-6	El Dorado County	Participation in the event on an annual basis.	7/1/03 to 6/30/08

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Implement 25.005	Vegetation Management Program	Objective: Sponsor various project to reduce fuels and create firebreaks to prevent catastrophic wildfires the Description: Wildland fuels reduction and firebreak creation.	CDF	Statewide forest lands	Reduction if the number, size and severity of catastrophic wildfire which actually result in water quality problems.	7/1/03 to 6/30/08
Implement 4.035	Timber -- Prescribed Burn Plans review	Objective: Review and comment on burn plans. Description: Review plans, provide comments and technical input	RWQCB-2	Napa, Marin, San Mateo, and Santa Clara Counties	Little to no sediment runoff from burn areas, incorporation of erosion control measures.	7/1/03 to 6/30/08

Management Measure: 2H Revegetation of Disturbed Areas

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Implement 11.52-2	Tahoe Forest Stewardship Day	Objective: To reduce erosion from wild fire and fuel hazard reduction projects; public education and outreach Description: Volunteers help stabilize slopes by spreading slash and planting native plants	RWQCB-6	El Dorado County	Restored areas; annual participation in the event.	7/1/03 to 6/30/08

Management Measure: 2I Forest Chemical Management

Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Implement 9.010-2	Timber Harvest Plan Review	Objective: Assure that timber harvest plans are protective of water quality. Description: Review and recommend changes as needed to timber harvest plans to reduce risk of NPS pollution from timber harvest activities.	RWQCB-5R	Mountainous areas of R5	MPs implemented.	7/1/03 to 6/30/08

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ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2K Postharvest Evaluation						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 27.009	Cross Training and Outreach	<p>Objective: Establish periodic cross-training forums between state agencies to encourage mutual understanding of issues, problem resolution, and support for water quality issues.</p> <p>Description: Present at least one workshop per year related to the understanding of landslides and sediment production on steep forested slopes.</p>	DOC	Statewide	Completion of workshops for consulting geologists.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: 2L Education/Outreach							
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule	
Pre-Implementation 11.24-3	Blackwood Creek TMDL	Objective: Watershed restoration through the TMDL process Description: To complete a TMDL and get Basin Plan approval.	RWQCB-6	Nevada County	Completed TMDL	7/1/03 to	1/1/08
Pre-Implementation 27.008-2	Landslide and Geomorphic Mapping	Objective: Identify potential sources of landsliding and sedimentation through programs for landslide and geomorphic mapping. Description: Prepare landslide maps and geomorphic stream channel maps at a scale of 1:24,000 based on geology and prioritized watersheds on the north coast.	DOC	North Coast	Completion of maps within expected time frames.	7/1/03 to	6/30/08
Implement 11.52-1	Tahoe Forest Stewardship Day	Objective: To reduce erosion from wild fire and fuel hazard reduction projects; public education and outreach. Description: Volunteers help stabilize slopes by spreading slash and planting native plants.	RWQCB-6	El Dorado County	restored areas; annual participation in the event.	7/1/03 to	6/30/08
Implement 11.55-1	Firefest	Objective: To promote watershed protection, particularly from the impacts of large scale wildfire Description: Participation in community event to educate about water quality and impacts from catastrophic wild fires.	RWQCB-6	El Dorado County	Participation in the event on an annual basis.	7/1/03 to	6/30/08

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ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 2.109	Interagency Cross-training	Objective: To facilitate interagency cross-training efforts that will improve understanding and effectiveness with respect to forestry and wildland management that is respective of water quality. Description: Oversee the development of interagency cross-training programs, secure funding and conduct the cross training programs.	SWRCB	California forested and wildlands	Effective cross-training programs that improve interagency relations and collaboration	7/1/03 to 6/30/08
Implement 9.010	Timber Harvest Plan Review	Objective: Assure that timber harvest plans are protective of water quality. Description: Review and recommend changes as needed to timber harvest plans to reduce risk of NPS pollution from timber harvest activities.	RWQCB-5R	Mountainous areas of R5	MPs implemented.	7/1/03 to 6/30/08
Implement 9.010-3	Timber Harvest Plan Review	Objective: Assure that timber harvest plans are protective of water quality. Description: Review and recommend changes as needed to timber harvest plans to reduce risk of NPS pollution from timber harvest activities.	RWQCB-5R	Mountainous areas of R5	MPs implemented.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Management Measure: All-F All Forestry Measures						
Process Element	Activity Name	Activity Objective and Description	Agency	Location	Success Criteria	Schedule
Pre-Implementation 2.101	Forestry/Wildland Management Technical/Policy Input	<p>Objective: Ensure that SWRCB becomes well-informed in order to make effective decisions involving forestry regarding other wildland management matters.</p> <p>Description: Provide timely, reliable and practicable technical and policy information as directed or requested by SWRCB management. Information may include evaluating wildland management matters, legal petitions, public comments and making appropriate recommendations to the Board.</p>	SWRCB	Forestry and Wildlands of California	A Board that is well-informed and advised on matters of Forestry and Wildland Management.	7/1/03 to 6/30/08
Pre-Implementation 2.102	Forestry Activities Program Consistency and Effectiveness	<p>Objective: To Ensure that SWRCB and RWQCBs apply consistent effective policy and approach in dealing with forestry and other wildland management agencies, organizations, and activities.</p> <p>Description: The activity will include maintaining oversight of RWQCBs activities, and facilitation of and encouraging development of consistent and effective policies and approaches in forestry and wildland management, securing funding for the Forestry Activities Program, and conducting quarterly Forestry Activities Roundtables with the RWQCBs.</p>	SWRCB	California Forests and Wildlands	State consistency in Forestry and Wildland management policies.	7/1/03 to 6/30/08

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ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Pre-Implementation 2.103	Review of Statutory Amendments	<p>Objective: Evaluate State and Federal statutory amendments related to forestry and wildland management activities to ensure that they are preventive of NPS pollution.</p> <p>Description: Review proposed statutory amendments affecting forested watersheds, forest practices, and State regulation thereof.</p>	SWRCB	California forested and wildlands	All new State and Federal statutory amendments are evaluated relative to NPS pollution issues, and appropriate improvements to them are made.	7/1/03 to 6/30/08
Pre-Implementation 2.104	Forest Practice Rule Amendments	<p>Objective: Evaluate forest practice standards and implementation procedures set forth in proposed Forest Practice Rules to ensure that they are preventive of NPS pollution.</p> <p>Description: Review proposed Forest Practice Rule changes affecting forested watersheds, forest practices, and State regulation thereof, and/or propose necessary FPR amendments to BOF. Participate with BOF and other agencies or stakeholders in refining proposed amendments.</p>	SWRCB	California forested and wildlands	All new Forest Practice Rule changes are evaluated relative to NPS pollution issues, and appropriate improvements to them are made.	7/1/03 to 6/30/08
Pre-Implementation 2.105	USFS Landscape-scale Planning	<p>Objective: Evaluate USFS landscape-scale plans to ensure that they are preventive of NPS pollution.</p> <p>Description: Review proposed USFS landscape-scale plans affecting forested watersheds, and participate with USFS and other stakeholders in refining plans.</p>	SWRCB	California forested and wildlands	All new USFS landscape-scale plans are evaluated relative to NPS pollution issues, and appropriate improvements to them are made.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Pre-Implementation 2.106	Collaborative Watershed and Monitoring Approaches	<p>Objective: To facilitate collaboration between State and federal agencies as they relate to each other on forest or rangeland activities.</p> <p>Description: Oversee the development of watershed cumulative effects approach MOUs as well as collaborative monitoring MOUs with other State agencies addressing objectives, collaborate with federal land and resource management agencies in attaining objectives, secure funding for implementation, and oversee the implementation.</p>	SWRCB	California forested and wildlands	Sufficient collaboration between State and federal agencies on forest or rangeland activities, such that water quality pollution prevention is enhanced.	7/1/03 to 6/30/08
Pre-Implementation 2.107	Joint BOF and SWRCB Policy Statement	<p>Objective: To facilitate the development, adoption and implementation of a joint SWRCB and BOF policy statement.</p> <p>Description: To oversee the development, adoption and implementation of a SWRCB and BOF joint policy statement by.....</p>	SWRCB	California forested and wildlands	An effective Joint Policy Statement that is protective of water quality.	7/1/03 to 6/30/08
Pre-Implementation 2.108	Water Quality Management Plan and MAA Changes	<p>Objective: To ensure that the WQMP and MAA between SWRCB and BOF-CDF is updated to include recent changes in relevant environmental regulations.</p> <p>Description: Oversee changes to and adoption of MAA attachments, secure funding needed for implementation, and oversee implementation of modified MAA provisions.</p>	SWRCB	California forested and wildlands	Revisions to the WQMP and MAA that are up-to-date and include recent relevant environmental regulations.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Pre Implementation 23.001	Forest Practice Rule (FPR) Review and Modification	<p>Objective: Review Forest Practice Rules for gaps and needed modifications. Draft and adopt new Forest Practice Rules where needed (e.g. a new package of FPRs covering road management).</p> <p>Description: Review of Forest Practice Rule (FPR) effectiveness in protecting water quality. Identification of practices that need improvement. Drafting and adoption of new Forest Practice Rules to correct identified effectiveness problems.</p>	BOF	Regions 1, 2, 3, 5 and 6	Timely identification of gaps and needed FPR modification. Timely drafting and adoption of new FPRs to address the identified gaps and needed modifications.	7/1/03 to 6/30/08
Pre-Implementation 25.001-1	Timber Harvest Planning Process (THP)	<p>Objective: Mitigation of potential projects impacts on water quality through pre-harvest planning.</p> <p>Description: THPs submitted to CDF are reviewed by CDF and cooperating agencies. Any needed modifications and mitigations to protect water quality are added to each THP before the THP is approved and operations can begin.</p>	CDF	Statewide	Each THP when implemented properly protects water quality.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Pre-Implementation 28.007	Forestry Management Practices	Objective: Identify and assess DPR lands impacted or influenced by these forestry practices: 1. Preharvest planning 2. Streamside management areas 3. Road construction/reconstruction 4. Road management 5. Timber harvesting 6. Site preparation 7. Where forest regeneration should be used to restore natural forest plant communities 8. Fire management: Wildfire, Prescribed fire and Natural fire 9. Revegetation of disturbed areas 10. Chemical use 11. Wetland forest areas 12. Post-harvest evaluation Description: 1. Survey forest roads and determine their utility for continued use. 2. Survey skidtrail locations, drainages, residual debris and petroleum product residue to determine the need to implement BMPs. 3. Survey, map and prepare restoration plans, prescribed fire plans, revegetation plans, vegetation management plans and wetland forest area plans, for areas where forest regeneration, prescribed fire, and chemical use mitigation is important in protecting water quality from disturbed soils and chemicals, protecting soils and forest plant communities, and protecting natural forest cover and wetlands.	DPR	State Park System units	Application of the best forest management practices will occur adjacent to and on DPR lands.	7/1/03 to 6/30/08
Pre-Implementation 5.201	Evaluate timber harvest, mgnt & restoration plans for BMPs	Objective: Timber Harvest Plan review process. Description: Participate on review team. Implement monitoring selectively.	RWQCB-3	Northern Watershed Management Area	No impairment of nearby waters.	7/1/03 to 6/30/08

Table IIIB
ACTIVITY SUMMARIES FOR NPS LAND USE CATEGORIES

Implement 25.004-1	Jackson Demonstration State Forest Plan Implementation	Objective: Manage the Jackson Demonstration State Forest so as to protect and enhance water quality and aquatic habitat, while achieving the other objectives of the State Forest enumerated in the Management Plan. Description: Jackson Demonstration State Forest Management Plan, which includes a Road Management Plan, will be implemented on the ground.	CDF	Jackson Demonstration State Forest	Sediment source reduction. Streamside canopy meets or exceeds standards.	1/1/03 to 6/30/08
Implement 3.007	Logging - Private Lands	Objective: Attend CDF Review Team meetings and inspections to gain compliance with Basin Plan waste discharge prohibitions and water quality objectives. Description: Review Team functions, public complaint inspections and follow-up enforcement, water quality monitoring.	RWQCB-1	Regionwide RB1	Compliance with Federal and State water quality regulations.	7/1/98 to 6/30/08
Implement 3.008	Logging - US Forest Service	Objective: Compliance with Federal and state water quality regulations through implementation of the 208 Management Agency Agreement (MAA). Description: All staff activities towards implementation of the MAA, including NEPA reviews, complaint inspections, and enforcement.	RWQCB-1	Regionwide RB1	Compliance with Federal and State water quality regulations.	7/1/03 to 6/30/08